NORTH CAROLINA WATER TREATMENT FACILITY OPERATORS CERTIFICATION BOARD Rating Values for Classification & Reclassification of Water Treatment Systems (15A NCAC 18D .0203 - .0205)

SYSTEM NAME:		SID: DATE:	.0200)		
PWSS Region: Type (CWS, NTNC, TNC):		New or Changed Class (N-C-NO):			
System Treatment Classification (A, B, C, D): Source (Surface or Well):					
Class C (1-50 points), Class B (51-110 points), Class A (over 110 points) Class D-Well for non-community systems with hypochlorite solution as the only treatment applied to the water.					
Distribution System Classification (A,B,C,D): (Greater of treatment vs. service connection/fire protection class)					
Service Connection		(0.53.6. 0. 0.00.0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	6 p. 6.666.6 6.666.)		
Class D (100 or fewer service connections, no fire protection), Class C (101 to 1,000 service connections, no fire protection) Class B (1,001 to 3,300 connections, no fire protection or < 1,000 connections with fire protection), Class A (>3,300 connections)					
Cross-Connection-Control Classification Required (Y/N):					
(Five or more testable backflow prevention assemblies required within the distribution system)					
PARAMET	FR	RATING VALUE	POINTS		
(1) Surface Water Sou		<u></u>	<u>1 011110</u>		
	ing stream	5			
	ing stream with impoundments				
	water treatment (CuSO4, etc.)	3			
(2) Ground Water Sour		_			
` ,	five wells1 1point per 5 wells or fraction thereof over 5	·			
(3) Coagulation	Thought being wells of fraction thereof over 5				
	ninum sulfate, ferric chloride, etc	10			
	mer				
(4) Mixing					
()	le				
` '	hanical				
(C) air(5) Oxidation (pre-treat		3			
	?	5			
` ,	z 1 e				
	nO₄				
` '	·				
\ /					
(7) Aeration					
(A) med	hanical draft				
	e tray/splash tray				
	sed				
	ked tower (VOC reduction)	10			
(8) pH Adjustment (primary) (A) caustic NaOH					
	/ soda ash				
	(H ₂ SO ₄ , HCI, etc.)				
(9) Sedimentation					
(A) stan	dard rate				
` '	e settlers	·			
` ' '	OW	·			
(D) puls (10) Contact Tank	ators and plates, etc				
(11) Filtration		'			
	ssure				
(i)	sand/ anthracite				
(ii)	synthetic media (birm)				
(iii)	granular activated carbon (GAC)	10			
(B) grav (i)	nty sand	10			
(ii)	anthracite (mixed)/ GAC)	· ·			
(iii)	with surface wash or air scour	2			
	nbrane (microfiltration, ultrafiltration)	10			
(12) Ion Exchange					
	ener, Na cycle				
	ener, H cycle and Mn (greensand)				
	ed bed or split stream				

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SYSTEM NAME:		: <u> </u>	PWSID:	DATE:
	PARA	METER	RATING VALUE	POINTS
(12)	Lime Softe		TOTTING TALLET	<u>1 01110</u>
(13)	(A)	spiractors	10	
	(A) (B)	clarifier with coagulation		
	(C)	fuel burner (recarbonation)		
(11)		(sequestering agent)		
(14)	Stabilization			
(15)		acid feed	10	
	(A)	phosphate		
	(B)	•		
	(C)	caustic (NaOH)		
	(D)	lime/ soda ash		
(4.0)	(E)	contact units (calcifier, etc.)		
(16)		smosis (nanofiltration), Electrodialysis	5 15	
(17)	Disinfectio		40	
	(A)	gas Cl ₂		
	(B)	hypochlorite solution		
	(C)	CIO ₂ (chlorine dioxide)	13	
	(D)	ozone		
	(E)	ammonia and Cl ₂	12	
	(F)	ultraviolet light (uv)	5	-
(18)	Fluoridatio		-	
(10)	(A)	··· saturator	8	
	٠,,	dry feed		·
	(B)	solution (acid)		
(40)	(C)	solution (acid)	10	
(19)	Pumping		_	
	(A)	raw		-
	(B)	intermediate		
	(C)	finished	3	
	(D)	system booster	2	
(20)	Storage	•		
,	(Ă)	raw	1	
	(B)	treated ground level tank		
	(C)	elevated in system (each extra tank		-
	(D)	hydropneumatic		
(21)	Population	•	L	
(21)	•	t per 1,000 persons served	50 may	
(22)			50 IIIax.	
(22)	Plant Capa		25 may	
(22)	•	t per 1 MGD capacity	25 IIIax.	
(23)		uality Control		
	(A)	bacteriological	_	
			5	
			2	
		(iii) MMO-MUG (Colilert)	2	
	(B)	pH		
		(i) meter	2	
			1	·
	(C)	flouride		
	(0)		3	
			3	
	(D)	chlorine	<u>-</u>	
	(D)		2	
		\ /	3	
		• •	2	
			1	·
	(E)	iron		
	(F)	hardness		
	(G)	alkalinity		
	(H)	turbidity		
	(1)	manganese		
	(J)	others (1 pt. Each)		
	(K)	A.A. Spec, or G.C. Unit	5 each	
		Signature:	Tota	Il Points
		(Printed Name:	, _RO/PWSS)	